

***Lanthus vernalis* (Southern Pygmy Clubtail)****Priority 2 Species of Greatest Conservation Need (SGCN)****Class:** *Insecta* (Insects)**Order:** *Odonata* (Dragonflies And Damselflies)**Family:** *Gomphidae* (Clubtails)**General comments:**

Regional endemic; only 7 modern sites; headwater habitat abundant but vulnerable

**Species Conservation Range Maps for Southern Pygmy Clubtail:**Town Map: [Lanthus vernalis\\_Towns.pdf](#)Subwatershed Map: [Lanthus vernalis\\_HUC12.pdf](#)**SGCN Priority Ranking - Designation Criteria:****Risk of Extirpation: NA****State Special Concern or NMFS Species of Concern:***Lanthus vernalis* is listed as a species of Special Concern in Maine.**Recent Significant Declines: NA****Regional Endemic:***Lanthus vernalis*'s global geographic range is at least 90% contained within the area defined by USFWS Region 5, the Canadian Maritime Provinces, and southeastern Quebec (south of the St. Lawrence River).

Notes: Regional endemic; only 7 modern sites; headwater habitat abundant but vulnerable

**High Regional Conservation Priority: NA****High Climate Change Vulnerability: NA****Understudied rare taxa: NA****Historical: NA****Culturally Significant: NA****Habitats Assigned to Southern Pygmy Clubtail:****Formation Name      Boreal Upland Forest****Macrogroup Name      Boreal Upland Forest****Habitat System Name:** Acadian Low Elevation Spruce-Fir-Hardwood Forest **Notes:** secondary (riparian only)**Habitat System Name:** Acadian Sub-boreal Spruce Flat **Notes:** secondary (riparian only)**Formation Name      Freshwater Aquatic****Macrogroup Name      Rivers and Streams****Habitat System Name:** Headwaters and Creeks **\*\*Primary Habitat\*\*** **Notes:** clear, often spring fed, small rocky streams with sand or silt deposits**Formation Name      Northeastern Upland Forest****Macrogroup Name      Central Oak-Pine****Habitat System Name:** North Atlantic Coastal Plain Hardwood Forest **Notes:** secondary (riparian only)**Macrogroup Name      Northern Hardwood & Conifer****Habitat System Name:** Laurentian-Acadian Northern Hardwoods Forest **Notes:** secondary (riparian only)**Habitat System Name:** Laurentian-Acadian Pine-Hemlock-Hardwood Forest **Notes:** secondary (riparian only)**Habitat System Name:** Laurentian-Acadian Red Oak-Northern Hardwood Forest **Notes:** secondary (riparian only)**Habitat System Name:** Northeastern Coastal and Interior Pine-Oak Forest **Notes:** secondary (riparian only)**Stressors Assigned to Southern Pygmy Clubtail:**

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**Family:** *Gomphidae* (Clubtails)

Stressor Priority Level based on Severity and Actionability		Moderate Severity	High Severity
	Highly Actionable	Medium-High	High
	Moderately Actionable	Medium	Medium-High
	Actionable with Difficulty	Low	Low

#### IUCN Level 1 Threat

#### Other Options

**IUCN Level 2 Threat:** Lack of knowledge

**Severity:** Moderate Severity

**Actionability:** Highly actionable

**Notes:** lack of comprehensive survey effort to identify additional occurrences and determine species status

#### IUCN Level 1 Threat

#### Biological Resource Use

**IUCN Level 2 Threat:** Logging and Wood Harvesting

**Severity:** Moderate Severity

**Actionability:** Moderately actionable

**Notes:** Headwater streams receive limited protections; intensive forestry in the shoreland zone can affect water quality and riparian habitat

#### IUCN Level 1 Threat

#### Pollution

**IUCN Level 2 Threat:** Domestic and Urban Waste Water

**Severity:** Moderate Severity

**Actionability:** Moderately actionable

**Notes:** Headwater streams receive limited protections; aquatic larvae sensitive to water quality

#### IUCN Level 1 Threat

#### Residential and Commercial Development

**IUCN Level 2 Threat:** Housing and Urban Areas

**Severity:** Moderate Severity

**Actionability:** Moderately actionable

**Notes:** Headwater streams receive limited protections; degradation of the riparian zone affects water quality and roosting/feeding habitat

### Species Level Conservation Actions Assigned to Southern Pygmy Clubtail:

None. *Only species specific conservation actions that address high (red) or medium-high (orange) priority stressors are summarized here.*

### Conservation Actions Associated with the Riverine Odonates Guild:

**Conservation Action**      **Category:** Research      **Biological Priority:** high      **Type:** new

Prepare a statewide atlas and conservation assessment.

#### Stressor(s) Addressed By This Conservation Action

Lack of knowledge

### Broad Taxonomic Group Conservation Actions:

Additional relevant conservation actions for this species are assigned within broader taxonomic groups in Maine's 2015 Wildlife Action Plan: Element 4, Table 4-1.

### Habitat Based Conservation Actions:

Additional conservation actions that may benefit habitat(s) associated with this species can be found in Maine's 2015 Wildlife Action Plan: Element 4, Table 4-15. Click on the Habitat Grouping of interest to launch a habitat based report summarizing

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relevant conservation actions and associated SGCN.

*The Wildlife Action Plan was developed through a lengthy participatory process with state agencies, targeted conservation partners, and the general public. The Plan is non-regulatory. The species, stressors, and voluntary conservation actions identified in the Plan complement, but do not replace, existing work programs and priorities by state agencies and partners.*